AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A terminal device, comprising: ~~non-contact IC system comprising~~

an antenna; ~~coil, an IC module,~~

a communication circuit, and

a battery,

wherein said communication circuit receives ~~non-contact IC system receives electric power and~~ communication information via an electromagnetic wave ~~radio waves~~ received by said antenna ~~coil~~,

said terminal device ~~non-contact IC system~~ further comprising:

~~an electric power~~ detection means for detecting a carrier wave ~~the electric power~~ supplied via said antenna~~said antenna coil~~; and

control means ~~a control means~~ for controlling a drive power supply to said communication circuit,

wherein when the detection means no longer detects the carrier wave while a drive power is being supplied to said communication circuit, said control means stops the supply of the drive power to said communication circuit~~IC module based on the results of detection by said electric power detection means~~.

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Canceled)

9. (Canceled)

10. (Canceled)

11. (New) The terminal device according to claim 1, wherein the control unit supplies the drive power from the battery to the communication circuit from a start to an end of the detection of the carrier wave by the detection means.

12. (New) The terminal device according to claim 1, wherein the detection of the carrier wave by the wave detection means is a detection of voltage generated by the electromagnetic wave received by the antenna.

13. (New) The terminal device according to claim 12, wherein the voltage is an electromagnetically induced voltage.

14. (New) The terminal device according to claim 1, wherein the detection of the carrier wave by the detection means is a detection of power generated by the electromagnetic wave received by the antenna.

15. (New) The terminal device according to claim 1, wherein the when the detection means no longer detects the carrier wave while a drive power is being supplied from the battery to said communication circuit, said control means stops the supply of the drive power to said communication circuit either after a predetermined period has elapsed after the detection means no longer detects the carrier wave or immediately after the detection means no longer detects the carrier wave.

16. (New) The terminal device according to claim 1, wherein

the antenna is an antenna coil, and

the communication circuit is a non-contact IC module for the terminal device.

17. (New) The terminal device according to claim 11, wherein

the antenna is an antenna coil, and

the communication circuit is a non-contact IC module for the terminal device.

18. (New) The terminal device according to claim 12, wherein

the antenna is an antenna coil, and

the communication circuit is a non-contact IC module for the terminal device.

19. (New) The terminal device according to claim 13, wherein

the antenna is an antenna coil, and

the communication circuit is a non-contact IC module for the terminal device.

20. (New) The terminal device according to claim 14, wherein

the antenna is an antenna coil, and

the communication circuit is a non-contact IC module for the terminal device.

21. (New) The terminal device according to claim 15, wherein

the antenna is an antenna coil, and

the communication circuit is a non-contact IC module for the terminal device.

22. (New) An electric circuit for a communication terminal device adapted to be connected to an antenna and a battery, comprising:

a detection unit that detects a carrier wave from the antenna;

a communication unit that communicates via the antenna;

a power control unit that controls power supply from the battery to the communication unit, the power control unit stopping the power supply to the communication unit when the detection unit no longer detects the carrier wave while the power is being supplied to the communication unit.

23. (New) An electric circuit for a non-contact IC system according to claim 22, further comprising:

a central processing unit that controls the detection unit, the communication unit, and the power control unit.

24. (New) A method of controlling power supply in a terminal device including an antenna, a communication circuit, and a battery, the method comprising:

detecting existence of a carrier wave in a form of an electromagnetic wave by an antenna,

supplying a drive power from the battery to the communication circuit when the existence of the carrier wave has been detected; and

terminating supply of the drive power to the communication circuit when the existence of the carrier wave is no longer detected while the drive power is being supplied to the communication circuit.